

FORMULA SYSTEMS VISION PLUS

CAR TO HOISTWAY / LANDING DOOR CLEARANCE

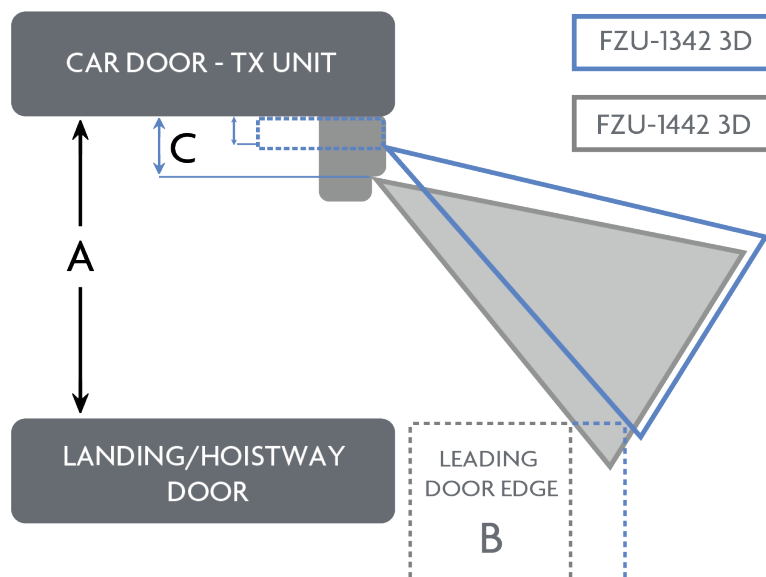


The Vision Plus products have been designed to remove the issue of false detections occurring on the 3D system that may be caused by the landing door travelling/nudging in front of the car door.

The other possible scenario is that when the landing door is travelling in front of the car door and exceeds a set distance that it can block or obscure the 3D system, but the product has been designed to limit this from occurring.

Installation distances still need to be considered when it comes to the fitting of the product to keep within the product design in relation to the distance that the landing door can lead in front of the car door.

Basic rule of thumb: Leading Door Edge distance B cannot exceed Car to Landing Door distance A.



If a more detailed distance needs to be calculated then door leading edge B can be calculated using the following formula:

THE FORMULA IS:
 $B = A - C / \tan(40^\circ)$

PLEASE NOTE: C = FZU-1342 = 10mm, FZU-1442 = 15mm

For example: With a car to landing door distance of 100mm; B for FZU-1442 = $100 - 15 / \tan(40^\circ) = 101.3\text{mm}$ (3.98")

Above shows only the transmitter unit, (TX) the same would also apply to the receiver unit.

If additional information or assistance is required, please contact the Formula Systems team who will be happy to help.